

ABSTRACT

The problems are to provide a composition for dispersing a particle that exhibits excellent dispersing effects as to various particle suspensions and leads no environmental loadings, a composition having a particle stably dispersed therein and a process for producing the same, and a sintered compact of anatase-type titanium oxide.

The composition for dispersing of a particle of the present invention is characterized in being obtained by mixing a metal alkoxide containing a metal element having +3 to 5 valence (for example, titanium or the like), an organic acid (for example, lactic acid or the like) and water. The composition having a particle dispersed therein of the present invention is characterized in being comprising a particle (for example, an oxide particle or the like), the above composition for dispersing of a particle. The process for producing the composition having a particle dispersed therein of the present invention is characterized in comprising a mixing step of mixing the composition for dispersing of a particle, a particle and a solvent (for example, water or the like), wherein the amount of the composition to be mixed is adjusted depending on the isoelectric point of the particle.